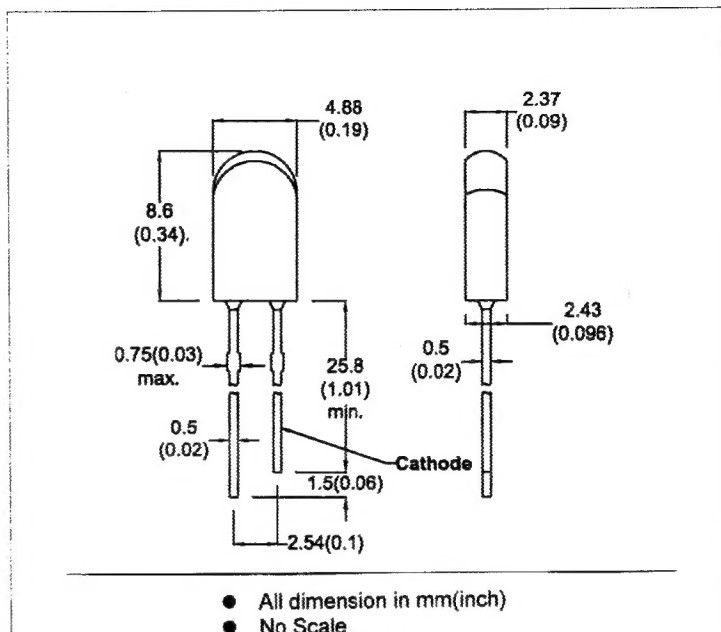


DESCRIPTION

MSB81CA is an ultra high brightness output red GaAlAs LED lamp encapsulated in a 2.37x4.88mm round rectangular bars, red transparent lens. 5 brightness grouping is provided for customer's selection.



ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ $T_a=25^{\circ}\text{C}$

Forward Current, DC (IF)

Reverse Voltage

Operating & Storage Temperature Range

Lead Temperature

95mW

40mA

5V

-55 to +100°C

260°C

ELECTRO-OPTICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	VF			2.4	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100μA
Luminous Intensity	IV				mcd	IF=20mA
-1		180	250		mcd	IF=20mA
-2		360	500		mcd	IF=20mA
-3		550	800		mcd	IF=20mA
-4		700	1000		mcd	IF=20mA
-5		1000	1500		mcd	IF=20mA
Peak Wavelength	λ_p		660		nm	IF=20mA
Spectral Line Half Width	$\Delta\lambda$		20		nm	IF=20mA
Viewing Angle	2θ 1/2		16		degree	IF=20mA



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